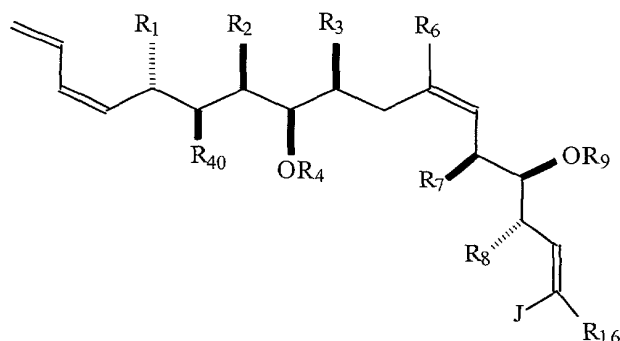


What is claimed is:

1. A compound of formula:



wherein:

- 5 R₁, R₂, R₇, and R₈ are independently selected from hydrogen and C₁-C₁₀ alkyl;

 R₃, R₆, and R₁₆ are independently selected from hydrogen and C₁-C₆ alkyl;

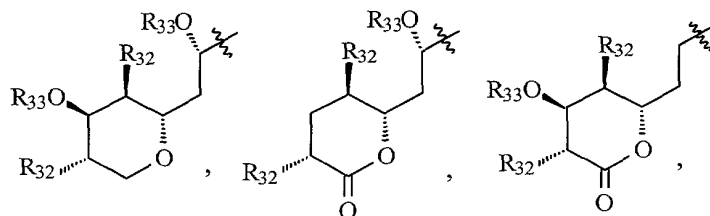
- 10 R₄ and R₉ are selected from hydrogen and acid labile protecting groups;

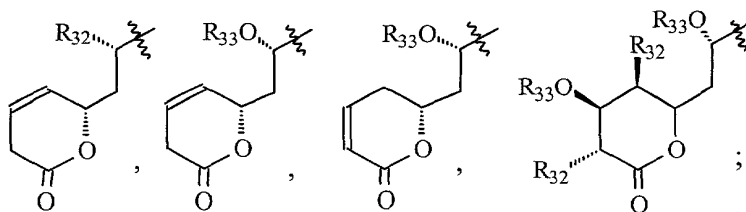
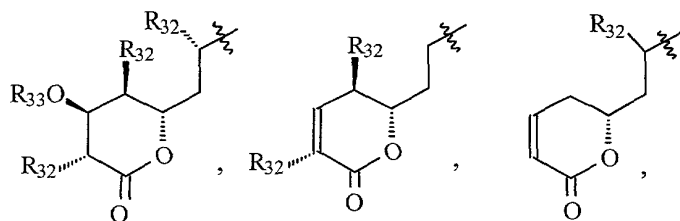
 R₄₀ is selected from OR₂₅ and OC(=O)NH₂;

 R₂₅ is selected from hydrogen and an oxidatively labile protecting group; and

 J is selected from:

15





alkaryl and alkheteroaryl wherein aryl and
heteroaryl are optionally substituted and alk is optionally
5 substituted with R_{32} or OR_{33} ;

wherein:

R_{32} is selected from hydrogen and C_1 - C_6 alkyl; and

R_{33} is selected from hydrogen and an acid labile
hydroxy protecting group.

10

2. The compound of claim 1 wherein R_6 is H.

3. The compound of claim 1 wherein R_1 , R_2 , R_7 ,
and R_8 are methyl.

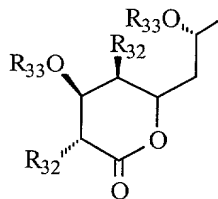
4. The compound of claim 1 wherein R_4 , R_9 , and
 R_{33} are hydrogen.

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5. The compound of claim 1 wherein R_1 , R_2 , R_7 , and R_8 are methyl; R_4 , R_6 , and R_9 are hydrogen; and R_{40} is $-\text{OC}(\text{O})\text{NH}_2$.

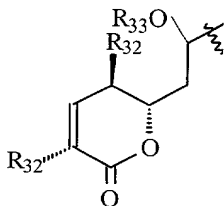
6. The compound of claim 5 wherein J is

5



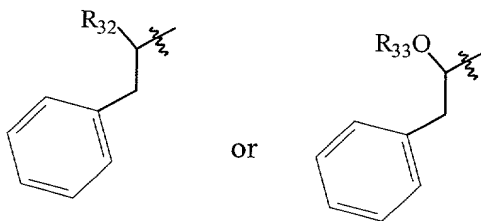
wherein R_{32} is methyl and R_{33} is hydrogen.

7. The compound of claim 1 wherein R_1 , R_2 , R_6 , R_7 , and R_8 are methyl; R_4 and R_9 are H; R_{40} is $-\text{OC}(\text{O})\text{NH}_2$; and J is



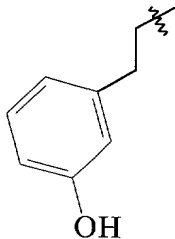
10 wherein R_{32} is methyl and R_{33} is H.

8. The compound of claim 1 wherein J is



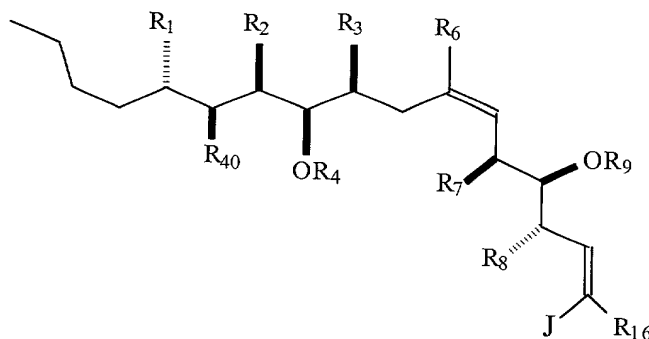
wherein the phenyl group is optionally substituted with C_1 - C_4 alkyl, haloalkyl, hydroxy, alkoxy, or haloalkoxy.

9. The compound of claim 8 wherein R_1 , R_2 , R_3 , R_6 , R_7 and R_8 are methyl, R_4 , R_9 , and R_{16} are hydrogen, R_{40} is $-OC(=O)NH_2$, and J is



5

10. A compound having the following formula:



wherein:

R_1 , R_2 , R_7 , and R_8 are independently hydrogen or C_1 - C_{10} alkyl;

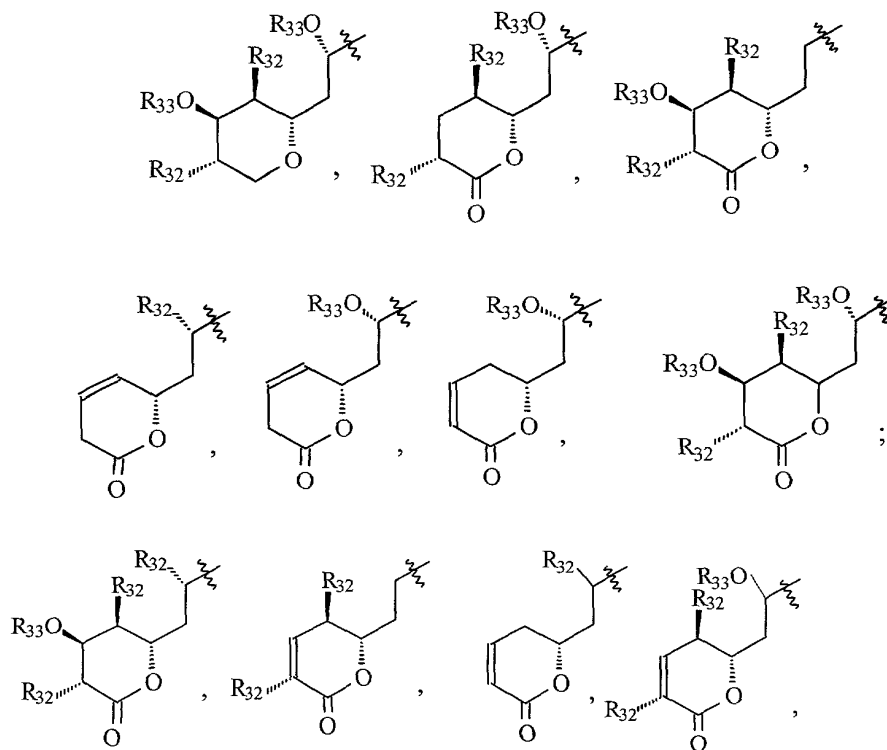
10 R_3 , R_6 , and R_{16} are independently hydrogen or C_1 - C_6 alkyl;

R_4 , and R_9 are independently hydrogen or acid labile protecting groups;

R_{40} is selected from OR_{25} and $OC(=O)NH_2$;

15 R_{25} is hydrogen or an oxidatively labile protecting group; and

J is selected from:



alkaryl and alkheteroaryl wherein aryl and heteroaryl
 5 are optionally substituted and alk is optionally substituted
 with R₃₂ or OR₃₃;

wherein

R₃₂ is hydrogen or C₁-C₆ alkyl; and

R₃₃ is hydrogen or an acid labile hydroxy protecting
 10 group.

11. The compound of claim 10 wherein R₆ is H.

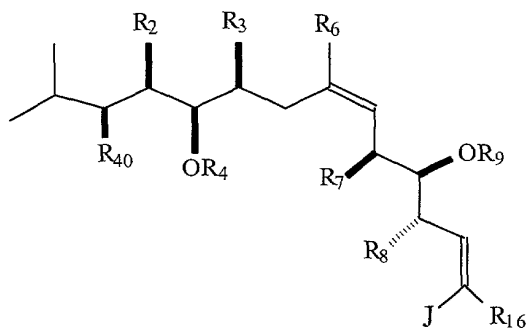
12. The compound of claim 10 wherein R₁, R₂, R₇,
 and R₈ are methyl.

13. The compound of claim 10 wherein R₄, R₉, and R₃₃
 15 are hydrogen.

14. The compound of claim 10 wherein R₁, R₂, R₇,

and R_8 are methyl; R_4 , R_6 , R_9 , and R_{33} are H; and R_{40} is $-\text{OC}(\text{O})\text{NH}_2$.

15. A compound having the formula:



5 wherein

R_2 , R_7 , and R_8 are independently hydrogen or C_1 - C_{10} alkyl;

R_3 , R_6 , and R_{16} are independently hydrogen or C_1 - C_6 alkyl;

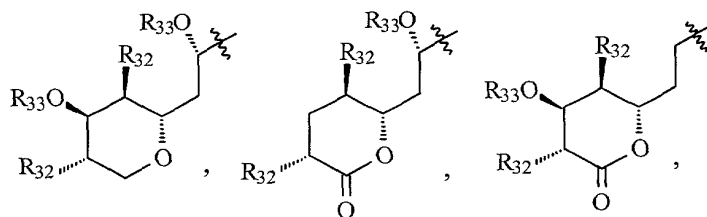
R_4 , R_9 , and R_{33} are independently hydrogen or acid labile protecting groups;

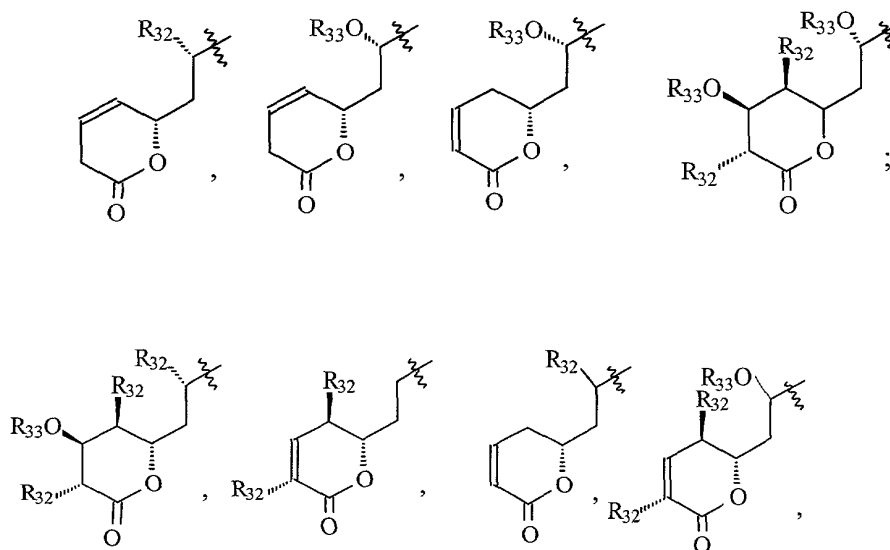
10 R_4 and R_9 are independently hydrogen or acid labile protecting hydroxyl groups;

R_{40} is selected from OR_{25} and $\text{OC}(=\text{O})\text{NH}_2$;

R_{25} is hydrogen or an oxidatively labile protecting group; and

15 J is selected from:





alkaryl and alkheteroaryl wherein aryl and heteroaryl are optionally substituted and alk is optionally substituted
 5 with R₃₂ or OR₃₃;

wherein

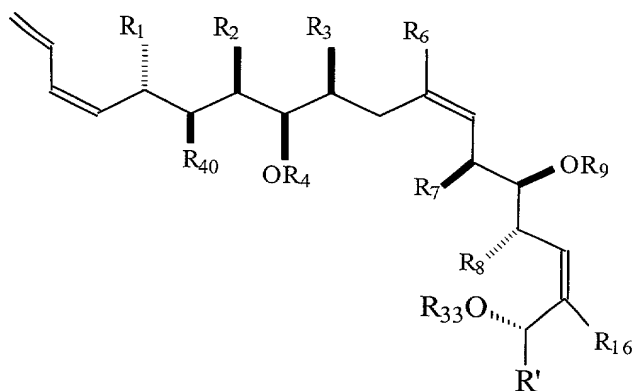
R₃₂ is hydrogen or C₁-C₆ alkyl; and

R₃₃ is hydrogen or an acid labile hydroxy protecting group.

10 16. The compound of claim 15 wherein R₆ is H.

17. The compound of claim 15 wherein R₁, R₂, R₇,
 and R₈ are methyl.

18. A compound having the formula:



wherein:

R₁, R₂, R₇, and R₈ are independently hydrogen or C₁-C₁₀
5 alkyl;

R₃, R₆, and R₁₆ are independently hydrogen or C₁-C₆ alkyl;

R₄, R₉, and R₃₃ are independently hydrogen or acid labile
protecting groups;

R₄, R₉, are independently hydrogen or acid labile
10 protecting hydroxyl groups;

R₂₅ is hydrogen or an oxidatively labile protecting
group;

R₄₀ is selected from OR₂₅ and OC(=O)NH₂;

R' is methyl or alkyl-R''; and

15 R'' is C₁-C₁₀ alkoxy, hydroxy, or -C(O)CH₃.

19. The compound of claim 18 wherein R₆ is hydrogen.

20. The compound of claim 18 wherein R₁, R₂, R₇,
and R₈ are methyl.

21. The compound of claim 20 wherein R_4 , R_9 , and R_{33} are H.

22. The compound of claim 18 wherein R_1 , R_2 , R_7 , and R_8 are methyl; R_4 , R_6 , R_9 , and R_{33} are H; and R_{40} is $-\text{OC}(\text{O})\text{NH}_2$.

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